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- ☐ 1. Document ID: US 2657157 A Relevance Rank: 52

L1: Entry 7 of 7

File: USPT

Oct 27, 1953

US-PAT-NO: 2657157

DOCUMENT-IDENTIFIER: US 2657157 A

TITLE: TEXT NOT AVAILABLE

DATE-ISSUED: October 27, 1953

US-CL-CURRENT: 442/394; 400/241.4, 428/215, 428/332, 428/339, 428/914, 442/286, 442/288, 442/290, 442/396, 442/398

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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- ☐ 2. Document ID: US 3130113 A Relevance Rank: 52

L1: Entry 6 of 7

File: USPT

Apr 21, 1964

US-PAT-NO: 3130113

DOCUMENT-IDENTIFIER: US 3130113 A

TITLE: TEXT NOT AVAILABLE

DATE-ISSUED: April 21, 1964

US-CL-CURRENT: 428/196; 156/249, 156/388, 427/265, 428/202, 428/203, 428/211, 428/40.6, 428/41.9, 428/42.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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- ☐ 3. Document ID: US 4308310 A Relevance Rank: 52

L1: Entry 5 of 7

File: USPT

Dec 29, 1981

US-PAT-NO: 4308310
DOCUMENT-IDENTIFIER: US 4308310 A

TITLE: Dry transfer decal

DATE-ISSUED: December 29, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arnold; Kevin R.	Unionville	PA	N/A	N/A
Arnold; Raymond M.	West Chester	PA	N/A	N/A

US-CL-CURRENT: 428/195; 156/240, 156/249, 156/277, 427/265, 428/352, 428/353,
428/354, 428/914

ABSTRACT:

A dry transfer decal includes a flexible carrier layer as a substrate with a high adhesion characteristic urethane layer on the substrate. Ink layers are printed on the urethane layer and a high tack adhesive is screened over the printed ink layers. The decal may be transferred from the substrate to a surface by applying a local pressure through the substrate on the decal thereby impinging the decal onto the surface. Specific formulations for the urethane layer and the various ink layers are disclosed.

6 Claims, 3 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWC	Draw Desc	Image
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✓ ☐ 4. Document ID: US 4919994 A Relevance Rank: 52

L1: Entry 4 of 7

File: USPT

Apr 24, 1990

US-PAT-NO: 4919994
DOCUMENT-IDENTIFIER: US 4919994 A

TITLE: Dry transfer graphics article and methods of preparation and use thereof

DATE-ISSUED: April 24, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Incremona; Joseph H.	Stillwater	MN	N/A	N/A
Lundeen; Richard H.	Woodbury	MN	N/A	N/A

US-CL-CURRENT: 428/141; 156/234, 156/239, 156/240, 156/277, 428/201, 428/202,
428/207, 428/211, 428/352, 428/353, 428/354, 428/454, 428/914

ABSTRACT:

A dry transfer graphics article and methods of preparation and use thereof are provided. The article is self-weeding to transfer fine graphic images without the use of detackifying radiation, solvents, etc. One of the elements of the article is a carrier having a surface which is compatible with an adhesive having a low work to fracture. The article further comprises a graphic pattern formed on the adhesive.

22 Claims, 2 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Desc	Image
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☐ 5. Document ID: US 5102727 A Relevance Rank: 52

L1: Entry 3 of 7

File: USPT

Apr 7, 1992

US-PAT-NO: 5102727

DOCUMENT-IDENTIFIER: US 5102727 A

TITLE: Electrically conductive textile fabric having conductivity gradient

DATE-ISSUED: April 7, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pittman; Edgar H.	Spartanburg	SC	N/A	N/A
Kuhn; Hans H.	Spartanburg	SC	N/A	N/A

US-CL-CURRENT: 442/187; 428/408, 428/902, 442/301, 442/307, 442/316

ABSTRACT:

An electrically conductive textile fabric is provided having a conductivity gradient created by varying the relative concentration of high and low conductivity yarns during construction of the fabric. In the case of woven and knitted fabrics, the relative number of high and low conductivity yarns per inch may be varied in the warp or weft direction or both.

12 Claims, 8 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Desc	Image
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☐ 6. Document ID: US 5364705 A Relevance Rank: 52

L1: Entry 2 of 7

File: USPT

Nov 15, 1994

US-PAT-NO: 5364705

DOCUMENT-IDENTIFIER: US 5364705 A

TITLE: Hybrid resistance cards and methods for manufacturing same

DATE-ISSUED: November 15, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Callahan; Stephen A.	Mesa	AZ	N/A	N/A

US-CL-CURRENT: 428/601; 216/16, 216/41, 338/103, 338/195, 338/308, 427/101, 427/102, 428/192, 428/195, 428/207, 428/212 , 428/674

ABSTRACT:

A hybrid resistance card (R-Card) is manufactured using a two-step process wherein an electrically conductive ink layer and an electrically resistive ink layer are printed onto a surface, which may be either a substrate or the part on which the R-Card is to be used. The conductive ink layer is selectively applied in a pattern of shapes to electrically short out portions of the resistive ink layer, thereby permitting the R-Card to have a predetermined resistive taper across its width according to a desired resistivity curve. The resistive ink layer comprises grid-like lines bordering and separating the conductive shapes. The resistive taper is substantially continuous along the length of the R-Card, at least linearly, though if the card is designed to cover an entire part, it is substantially continuous along a plurality of directions on the card, with the tapers being designed to round into one another. The inventive process permits much greater uniformity and predictability of result, as well as producing a much more versatile card, and is also much less expensive than currently employed processes.

17 Claims, 4 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw. Desc	Image
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☐ 7. Document ID: US 5699733 A Relevance Rank: 52

L1: Entry 1 of 7

File: USPT

Dec 23, 1997

✓
US-PAT-NO: 5699733

DOCUMENT-IDENTIFIER: US 5699733 A

TITLE: Screen printing on film coated substrates

DATE-ISSUED: December 23, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chang; De-An	Hsinchu	N/A	N/A	TWX
Lu; Jin-Yuh	Taipei	N/A	N/A	TWX

US-CL-CURRENT: 101/129; 427/282, 427/383.1, 427/384

ABSTRACT:

An improved method of screen printing is described wherein a double sided tape (dry film) is applied between the substrate and the screened-on paste. Since the dry film ensures the adhesion of the paste, no minimum thickness of paste is needed to attain good adhesion. By applying a thin layer of paste multiple times any thickness over a wide range can be obtained. Once the desired thickness of paste has been applied, the dry film is removed by firing in an oxidizing atmosphere. The method is applicable to, among others, phosphors, resistive materials, and conductive materials.

16 Claims, 7 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	EXCISE	Draw Desc	Image
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